

# King County DNRP Water Quality Index

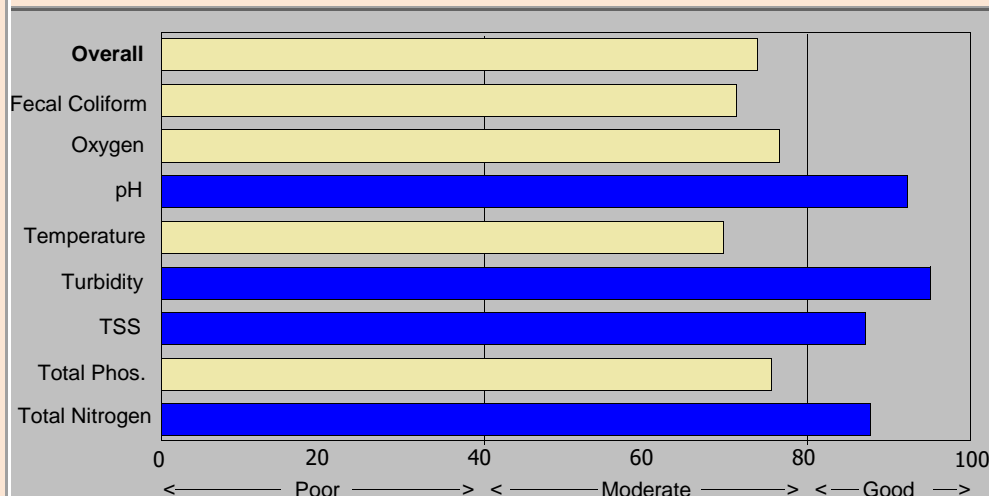
STATION **N484** WATER YEAR **2018**

**GAUGE # 02g Cottage Lake Creek at Avondale RD NE, Bear-Evans Wa Overall Index 74**

Monthly water quality samples were collected at N484, located on Cottage Lake Creek at the downstream side of the bridge on Avondale Road (near NE 151st Street), from 1974 to 2008. In February of 2013, regular monthly monitoring resumed at this station. From June through October 2018 the site on Cottage Lake Creek was temporarily moved upstream of the bridge on NE 155th St to station N484A. Data from the two sites are combined for the 2018 WQI calculation. Cottage Lake Creek is a major tributary to Bear Creek. The Bear Creek basin is comprised of approximately 32,100 acres that includes three sub-basins: Bear Creek at 14,300 acres, Cottage Lake Creek at 8,000 acres, and Evans Creek at 9,800 acres. All together there are over 100+ miles of streams including Bear Creek at approximately 12.4 miles, Cottage Lake Creek at approximately 6.7 miles, and Evans Creek running approximately 8.2 miles. Bear Creek empties into the Sammamish River on the north side of State Route 520 in the City of Redmond.

## Annual Water Quality Index Scores

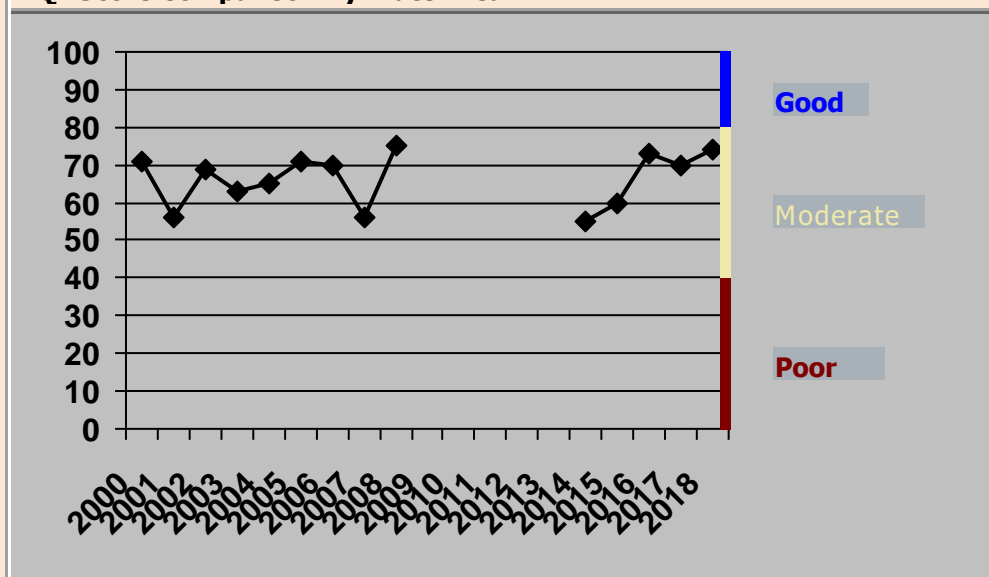
Water quality was MODERATE based on data collected 10/1/2017 to 9/30/2018.



## Monthly Scores for Water Year 2018

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
92	85	83	92	95	94	82	66	89	77	79	84

## WQI Score Comparison By Water Year



## About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <https://green2.kingcounty.gov/streamsdata/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>